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APPLICATION NO.	FILING DATE		FIRST NAMED INV	ENTOR		ATTORNEY DOCKET NO.
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JOHN P WAR	RD				RAO.A	
BLAKELY SO	OKOLOFF TAYL	OR & ZA	FMAN LLP		ART UNIT	PAPER NUMBER
SEVENTH FL	BHIRE BOULE(LOOR ES CA 90025:				2613 DATE MAILED:	5
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary Examiner	***		Application No.	Applicant(s)				
Examiner	•							
Andy S. Rao	•~	Office Action Summary	<u>'</u>					
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be variable used the provision of 3 CPR 1.13(b). In no event, however, may a reply be timely flied If the period for reply specified above is less than thirty (D) days, a, reply within the statisticy minimum of thirty (30) days will be considered timely. If the period for reply specified above, the maximum statisticy period will apply and bill agrice 3 (6) MONTH's from the malling date of this communication. Fallule to reply whithin the set or extended period for reply unit, by statutor, caused he septimization to become ABANDONEO (35 U.S. C. § 113). Responsive to communication(s) filled on		-						
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1) Responsive to communication(s) filed on	 THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). 							
2a) This action is FINAL. 2b)⊠ This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s)	_	Responsive to communication(s) filed on						
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2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)	Attachment(s)							
·	2) Notice	of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal					

Art Unit: 2613

DETAILED ACTION

Specification

1. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Andrew et al., (hereinafter referred to as "Andrew").

Andrew discloses a method for decoding compressed video (Andrew: column 5, lines 10-15), comprising: reading a stream of compressed video into a memory (Andrew: column 6, lines 54-66), said video having multiple pictures, each picture having one or more independent elements (Andrew: column (Andrew: column 8, lines 1-20); assigning, via a first processor of a group of processors sharing said memory (Andrew: column 6, lines 40-55), at least one independent element per processor to be decoded by the processors in parallel (Andrew: column 7, lines 37-52); and decoding the independent elements of the video in parallel (Andrew: column 7, lines 30-36), as in claim 1.

Art Unit: 2613

Regarding claim 2, Andrew discloses that the independent elements are slices (Andrew: column 7, lines 56-57), as in the claim.

Regarding claims 3-5, Andrew discloses that assigning the independent elements a varying number of slices to individual processors (Andrew: column 7, lines 58-62), as in the claims.

Regarding claim 6, Andrew discloses that the slice includes at least one macroblock (Andrew: column 12, lines 55-60), as in the claim.

Regarding claim 7, Andrew discloses decoding in accordance with MPEG (Andrew: column 5, lines 20-25), as in the claim.

Regarding claim 8, Andrew discloses "real-time" decoding (Andrew: column 6, lines 33-37), as in the claim.

Andrew discloses a computer readable medium (Andrew: column 25-35) having stored thereon a set of instructions (Andrew: column 6, lines 32-35), said set of instructions for decoding compressed video (Andrew: column 5, lines 10-15), which when executed by a processor (Andrew: column 6, lines 65-68), cause said processor to perform a method comprising the steps of, comprising: reading a stream of compressed video into a memory (Andrew: column 6, lines 54-66), said video having multiple pictures, each picture having one or more independent elements (Andrew: column (Andrew: column 8, lines 1-20); assigning, via a first processor of a group of processors sharing said memory (Andrew: column 6, lines 40-55), at least one independent element per processor to be decoded by the processors in parallel (Andrew: column 7, lines 37-52); and decoding the independent elements of the video in parallel (Andrew: column 7, lines 30-36), as in claim 9.

Art Unit: 2613

Regarding claim 10, Andrew discloses that the independent elements are slices (Andrew: column 7, lines 56-57), as in the claim.

Regarding claims 11-13, Andrew discloses that assigning the independent elements a varying number of slices to individual processors (Andrew: column 7, lines 58-62), as in the claims.

Regarding claim 14, Andrew discloses that the slice includes at least one macroblock (Andrew: column 12, lines 55-60), as in the claim.

Regarding claim 15, Andrew discloses decoding in accordance with MPEG (Andrew: column 5, lines 20-25), as in the claim.

Regarding claim 16, Andrew discloses "real-time" decoding (Andrew: column 6, lines 33-37), as in the claim.

Andrew discloses a computer system, comprising: a plurality of processors (Andrew: column 6, lines 42-45); a memory coupled to said plurality of said processors (Andrew: column 6, lines 55-60); a first unit of logic to read a stream of compressed video into a memory (Andrew: column 6, lines 54-66), said video having multiple pictures, each picture having one or more independent elements (Andrew: column (Andrew: column 8, lines 1-20); and said first unit of logic further assigns, via a first processor of a group of processors sharing said memory (Andrew: column 6, lines 40-55), at least one independent element per processor to be decoded by the processors in parallel (Andrew: column 7, lines 37-52); and decoding the independent elements of the video in parallel (Andrew: column 7, lines 30-36), as in claim 17.

Regarding claim 18, Andrew discloses that the independent elements are slices (Andrew: column 7, lines 56-57), as in the claim.

Art Unit: 2613

Regarding claims 19-21, Andrew discloses that assigning the independent elements a varying number of slices to individual processors (Andrew: column 7, lines 58-62), as in the claims.

Regarding claim 22, Andrew discloses that the slice includes at least one macroblock (Andrew: column 12, lines 55-60), as in the claim.

Regarding claim 23, Andrew discloses decoding in accordance with MPEG (Andrew: column 5, lines 20-25), as in the claim.

Regarding claim 24, Andrew discloses "real-time" decoding (Andrew: column 6, lines 33-37), as in the claim.

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Bhashkaran discloses a method and apparatus for fast digital signal decoding. Crump discloses a video processor with addressing mode control.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (703)-305-4813. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris S. Kelley can be reached on (703)-305-4856. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-308-5359 for regular communications and (703)-308-5359 for After Final communications.

Art Unit: 2613

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-4700.

Andy S. Rao Primary Examiner Art Unit 2613

ANDY RAO PRIMARY EXAMINER

asr August 7, 2001